

## DECLARATION OF PERFORMANCE

### DoP W0002

for fischer ClassicFast FSP II Screw

EN

1. Unique identification code of the product-type: DoP W0002
2. Intended use/es: Dowel- type timber fastener for structural timber products.
3. Manufacturer: fischerwerke GmbH & Co. KG, Klaus-Fischer-Str. 1, 72178 Waldachtal, Germany
4. Authorised representative: -
5. System/s of AVCP: 3
6. Harmonised standard: EN14592:2008 +A1:2012  
ITT report CPR-J-02218-19, CPR-J-02219-19, CPR-J-02220-19, CPR-J-02221-19, CPR-J-02222-19, CPR-J-02223-19
- Notified body/ies: 1015, Strojírenský zkušební ústav, s. p.

7. Declared performance/s:

**Mechanical resistance and stability (BWR 1)**

- Material and corrosion protection: Carbon Steel C1018-22 zinc plated, min. 3 µm  
Annex 1
- Dimensions:

	d= 3,0 mm	d= 3,5 mm	d= 4,0 mm	d= 4,5 mm	d= 5,0 mm	d= 6,0 mm
<b>Characteristic yield moment:</b> [Nmm]	2039	3258	3849	6801	9420	14665
<b>Characteristic withdrawal parameter:</b>						
parallel grain [N/mm <sup>2</sup> ]	12,84	12,97	12,41	12,72	12,00	12,05
<b>Characteristic wood density:</b> [kg/m <sup>3</sup> ]	350	350	350	350	350	350
<b>Characteristic head pullthrough parameter:</b>						
flat head [N/mm <sup>2</sup> ]	26,64	25,73	24,82	23,77	22,78	21,89
pan head [N/mm <sup>2</sup> ]	30,08	28,06	27,91	27,11	25,29	24,49
<b>Characteristic wood density:</b> [kg/m <sup>3</sup> ]	350	350	350	350	350	350
<b>Characteristic tensile capacity:</b> [kN]	3,64	4,89	5,78	7,66	9,91	13,38
<b>Characteristic torsional ratio:</b> [-]	2,24	2,61	2,7	3,27	3,00	3,42
<b>Characteristic wood density:</b> [kg/m <sup>3</sup> ]	450	450	450	450	450	450
<b>Durability service class EN1995-1-1:</b> [-]	1	1	1	1- 2	1- 2	1- 2

8. Appropriate Technical Documentation and/or Specific Technical Documentation: -

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Dr. Oliver Geibig, Managing Director Business Units & Engineering  
Tumlingen, 2021-02-25

Jürgen Grün, Managing Director Chemistry & Quality

This DoP has been prepared in different languages. In case there is a dispute on the interpretation the English version shall always prevail.

The Appendix includes voluntary and complementary information in English language exceeding the (language-neutrally specified) legal requirements.

**ClassicFast II - Countersunk head with full- or partial thread**  
**FSP II - Countersunk head with full- or partial thread**

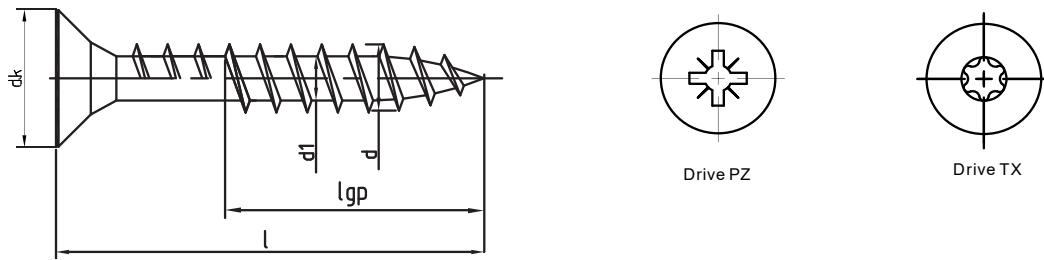


Figure not to scale

- Carbon Steel
- Possible surface treatments: yellow zinc-plated, blue zinc-plated

Nominal diameter		3,0	3,5	4,0	4,5	5,0	6,0						
d	Outer thread diameter	3,00	3,50	4,00	4,50	5,00	6,00						
d <sub>1</sub>	Inner thread diameter	1,80	2,20	2,50	2,90	3,15	3,70						
dk	Head diameter	5,80	6,80	7,80	8,80	9,80	11,70						
	Drive TX	10	10	20	20	25	30						
	Drive PZ	1	2	2	2	2	3						
Screw length l		Standard thread length   l <sub>gf</sub> = Full thread   l <sub>gp</sub> = Partial thread											
Nominal length		l <sub>gf</sub>	l <sub>gp</sub>	l <sub>gf</sub>	l <sub>gp</sub>	l <sub>gf</sub>	l <sub>gp</sub>	l <sub>gf</sub>	l <sub>gp</sub>	l <sub>gf</sub>	l <sub>gp</sub>	l <sub>gf</sub>	l <sub>gp</sub>
12		8,1		7,7									
16		12,1		11,7		10,5							
20		16,1		15,7		14,5		14,7		14,1			
25		21,1	18	20,7	18	19,5	18	19,7	18	19,1	18		18
30		26,1	18	25,7	18	24,5	18	24,7	18	24,1	18		18
35		31,1	24	30,7	24	29,5	24	29,7	24	29,1	24		24
40		36,1	24	35,7	24	34,5	24	34,7	24	34,1	24	32,8	24
45			30	40,7	30	39,5	30	39,7	30	39,1	30	37,8	30
50				45,7	30	44,5	30	44,7	30	44,1	30	42,8	30
55					36	49,5	36	49,7	36	49,1	36	47,8	36
60					36		36	54,7	36	54,1	36	52,8	36
70							42	64,7	42	64,1	42	62,8	42
80								74,7	50	74,1	50	72,8	50
90									60	84,1	60	82,8	60
100									60		60	92,8	60
110									60		60		60
120									72		72		72
130													72
140													72
150													72
160													72